



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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April 3, 2013

13-NWP-036

Mr. Kevin W. Smith, Manager
Office of River Protection
United States Department of Energy
PO Box 450, MSIN: H6-60
Richland, Washington 99352

Re: Department of Ecology (Ecology) Assessment Report for Field Monitoring Activities of the Waste Material near Riser 83 of the 241-AY-102 Double Shell Tank (DST)

Dear Mr. Smith:

On March 14, 2013, Ecology visited the 241-AY Farm to witness the weekly visual inspection of the waste material found near Riser 83 of the 241-AY-102 DST. Ecology's Assessment Report and photographs are enclosed. Ecology observed that:

- The area within the annulus that waste occupies has increased approximately 25 percent since Ecology's visit on December 27, 2012. This area increased vertically and horizontally where it extends outward in "finger channels" and near the smaller piece of what appears to be orange insulation foam.
- The edges of the waste material are very wet and are changing color. The waste material that was white (indicates dry waste) is now yellow or light green.
- The "salt streaks" past the waste in the annular floor space has changed size. The "salt streaks" horizontal extent from the primary tank's outer wall out to the inner wall of the secondary containment is now extended past the center of the secondary containment floor space.

Ecology strongly encourages the United States Department of Energy to remove the contents of 241-AY-102 DST as soon as it is practicable.

If there are any questions, please contact me at Michelle.Hendrickson@ecy.wa.gov or (509) 372-7970.

Sincerely,

Michelle L. Hendrickson, CHMM, PE
Tank System Operations and Closure Engineer
Nuclear Waste Program

tkb
Enclosures (2)

cc: See page 2



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cc electronic w/enc:

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Steve Hudson, HAB
Administrative Record:
DST/TWS/241-AY-102/S-2-3
Environmental Portal
WRPS Correspondence Control

cc w/o enc:

Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN